

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 4/3/2001  
 Edited by: *[Signature]*  
 Verified by: *[Signature]* (STIC staff) ②

Serial Number: 09/803,211

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☒ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☒ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: *inserted (H) DOCUMENT NUMBER: globally*

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/803,211DATE: 04/10/2001  
TIME: 01:59:07

INPUT SET: S36593.raw

<b>This Raw Listing contains the General Information Section and up to the first 5 pages.</b>
---

## SEQUENCE LISTING

1  
2  
3 (1) General Information  
4  
5 (i) APPLICANT: Bryan, Bruce  
6  
7 (ii) TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE  
8  
9 (iii) NUMBER OF SEQUENCES: 14  
10  
11 (iv) CORRESPONDENCE ADDRESS:  
12 (A) ADDRESSEE: Heller Ehrman White & McAuliffe  
13 (B) STREET: 4250 Executive Square, 7th Floor  
14 (C) CITY: La Jolla  
15 (D) STATE: CA  
16 (E) COUNTRY: USA  
17 (F) ZIP: 92037  
18  
19 (v) COMPUTER READABLE FORM:  
20 (A) MEDIUM TYPE: Diskette  
21 (B) COMPUTER: IBM Compatible  
22 (C) OPERATING SYSTEM: DOS  
23 (D) SOFTWARE: FastSEQ Version 1.5  
24  
25 (vi) CURRENT APPLICATION DATA:  
26 (A) APPLICATION NUMBER:  
27 (B) FILING DATE:  
28 (C) CLASSIFICATION:  
29  
30 (vii) PRIOR APPLICATION DATA:  
31 (A) APPLICATION NUMBER: 09/444,762  
32 (B) FILING DATE: 11-22-99  
33  
34 (vii) PRIOR APPLICATION DATA:  
35 (A) APPLICATION NUMBER: 08/757,046  
36 (B) FILING DATE: 11-25-96  
37  
38  
39 (vii) PRIOR APPLICATION DATA:  
40 (A) APPLICATION NUMBER: 08/597,274  
41 (B) FILING DATE: 02-06-96  
42  
43 (viii) ATTORNEY/AGENT INFORMATION:  
44 (A) NAME: Seidman, Stephanie L  
45 (B) REGISTRATION NUMBER: 33,779  
46 (C) REFERENCE/DOCKET NUMBER: 24727-105F

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/803,211DATE: 04/10/2001  
TIME: 01:59:08

INPUT SET: S36593.raw

47  
48 (ix) TELECOMMUNICATION INFORMATION:  
49 (A) TELEPHONE: 619-450-8400  
50 (B) TELEFAX: 619-450-8499  
51 (C) TELEX:  
52  
53 (2) INFORMATION FOR SEQ ID NO:1:  
54  
55 (i) SEQUENCE CHARACTERISTICS:  
56 (A) LENGTH: 1196 base pairs  
57 (B) TYPE: nucleic acid  
58 (C) STRANDEDNESS: single  
59 (D) TOPOLOGY: linear  
60  
61 (ii) MOLECULE TYPE: cDNA  
62  
63 (vi) ORIGINAL SOURCE:  
64  
65 (ix) FEATURE:  
66  
67 (A) NAME/KEY: Coding Sequence  
68 (B) LOCATION: 1...942  
69 (D) OTHER INFORMATION: Renilla Reinformis Luciferase  
70  
71 (x) PUBLICATION INFORMATION:  
72  
73 (H) DOCUMENT NUMBER: 5,418,155  
74  
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
76  
77 AGC TTA AAG ATG ACT TCG AAA GTT TAT GAT CCA GAA CAA AGG AAA CGG 48  
78 Ser Leu Lys Met Thr Ser Lys Val Tyr Asp Pro Glu Gln Arg Lys Arg  
79 1 5 10 15  
80  
81 ATG ATA ACT GGT CCG CAG TGG TGG GCC AGA TGT AAA CAA ATG AAT GTT 96  
82 Met Ile Thr Gly Pro Gln Trp Trp Ala Arg Cys Lys Gln Met Asn Val  
83 20 25 30  
84  
85 CTT GAT TCA TTT ATT AAT TAT TAT GAT TCA GAA AAA CAT GCA GAA AAT 144  
86 Leu Asp Ser Phe Ile Asn Tyr Tyr Asp Ser Glu Lys His Ala Glu Asn  
87 35 40 45  
88  
89 GCT GTT ATT TTT TTA CAT GGT AAC GCG GCC TCT TCT TAT TTA TGG CGA 192  
90 Ala Val Ile Phe Leu His Gly Asn Ala Ala Ser Ser Tyr Leu Trp Arg  
91 50 55 60  
92  
93 CAT GTT GTG CCA CAT ATT GAG CCA GTA GCG CGG TGT ATT ATA CCA GAT 240  
94 His Val Val Pro His Ile Glu Pro Val Ala Arg Cys Ile Ile Pro Asp  
95 65 70 75 80  
96  
97 CTT ATT GGT ATG GGC AAA TCA GGC AAA TCT GGT AAT GGT TCT TAT AGG 288  
98 Leu Ile Gly Met Gly Lys Ser Gly Lys Ser Gly Asn Gly Ser Tyr Arg  
99 85 90 95

**INPUT SET: S36593.raw**

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103				100					105					110				
104																		
105	TAC	CAA	AGA	AGA	TCA	TTT	TTT	GTC	GGC	CAT	GAT	TGG	GGT	GCT	TGT	TTG		384
106	Tyr	Gln	Arg	Arg	Ser	Phe	Phe	Val	Gly	His	Asp	Trp	Gly	Ala	Cys	Leu		
107			115					120					125					
108																		
109	GCA	TTT	CAT	TAT	AGC	TAT	GAG	CAT	CAA	GAT	AAG	ATC	AAA	GCA	ATA	GTT		432
110	Ala	Phe	His	Tyr	Ser	Tyr	Glu	His	Gln	Asp	Lys	Ile	Lys	Ala	Ile	Val		
111		130					135					140						
112																		
113	CAC	GCT	GAA	AGT	GTA	GTA	GAT	GTG	ATT	GAA	TCA	TGG	GAT	GAA	TGG	CCT		480
114	His	Ala	Glu	Ser	Val	Val	Asp	Val	Ile	Glu	Ser	Trp	Asp	Glu	Trp	Pro		
115	145					150					155					160		
116																		
117	GAT	ATT	GAA	GAA	GAT	ATT	GCG	TTG	ATC	AAA	TCT	GAA	GAA	GGA	GAA	AAA		528
118	Asp	Ile	Glu	Glu	Asp	Ile	Ala	Leu	Ile	Lys	Ser	Glu	Glu	Gly	Glu	Lys		
119					165					170					175			
120																		
121	ATG	GTT	TTG	GAG	AAT	AAC	TTC	TTC	GTG	GAA	ACC	ATG	TTG	CCA	TCA	AAA		576
122	Met	Val	Leu	Glu	Asn	Asn	Phe	Phe	Val	Glu	Thr	Met	Leu	Pro	Ser	Lys		
123				180					185					190				
124																		
125	ATC	ATG	AGA	AAG	TTA	GAA	CCA	GAA	GAA	TTT	GCA	GCA	TAT	CTT	GAA	CCA		624
126	Ile	Met	Arg	Lys	Leu	Glu	Pro	Glu	Glu	Phe	Ala	Ala	Tyr	Leu	Glu	Pro		
127			195					200					205					
128																		
129	TTC	AAA	GAG	AAA	GGT	GAA	GTT	CGT	CGT	CCA	ACA	TTA	TCA	TGG	CCT	CGT		672
130	Phe	Lys	Glu	Lys	Gly	Glu	Val	Arg	Arg	Pro	Thr	Leu	Ser	Trp	Pro	Arg		
131		210					215					220						
132																		
133	GAA	ATC	CCG	TTA	GTA	AAA	GGT	GGT	AAA	CCT	GAC	GTT	GTA	CAA	ATT	GTT		720
134	Glu	Ile	Pro	Leu	Val	Lys	Gly	Gly	Lys	Pro	Asp	Val	Val	Gln	Ile	Val		
135	225					230					235					240		
136																		
137	AGG	AAT	TAT	AAT	GCT	TAT	CTA	CGT	GCA	AGT	GAT	GAT	TTA	CCA	AAA	ATG		768
138	Arg	Asn	Tyr	Asn	Ala	Tyr	Leu											

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/803,211

DATE: 04/10/2001  
TIME: 01:59:08

INPUT SET: S36593.raw

153 TTC GTT GAG CGA GTT CTC AAA AAT GAA CAA TAA TTACTTTGGT TTTTATTTA 965  
154 Phe Val Glu Arg Val Leu Lys Asn Glu Gln  
155 305 310  
156

157 CATTTCCTCC GGGTTTAATA ATATAAATGT CATTTCACAC AATTTTATTT TAACTGAATA 1025  
158 TTTCACAGGG AACATTCATA TATGTTGATT AATTTAGCTC GAACCTTACT CTGTCATATC 1085  
159 ATTTTGGAAT ATTACCTCTT TCAATGAAAC TTTATAAACA GTGGTTCAAT TAATTAATAT 1145  
160 ATATTATAAT TACATTTGTT ATGTAATAAA CTCGGTTTTTA TTATAAAAAA A 1196  
161

## (2) INFORMATION FOR SEQ ID NO:2:

### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1822 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

### (ii) MOLECULE TYPE: cDNA

### (ix) FEATURE:

- (A) NAME/KEY: Coding Sequence
- (B) LOCATION: 1...1665
- (D) OTHER INFORMATION: Cypridina hilgendorffii luciferase

### (x) PUBLICATION INFORMATION:

- (H) DOCUMENT NUMBER: EP 0 387 355 TORAY

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

183  
184 ATG AAG CTA ATA ATT CTG TCT ATT ATA TTG GCC TAC TGT GTC ACA GTC 48  
185 Met Lys Leu Ile Ile Leu Ser Ile Ile Leu Ala Tyr Cys Val Thr Val  
186 1 5 10 15  
187  
188 AAC TGC CAG GAT GCA TGT CCT GTA GAA GCT GAA GCA CCG TCA AGT ACA 96  
189 Asn Cys Gln Asp Ala Cys Pro Val Glu Ala Glu Ala Pro Ser Ser Thr  
190 20 25 30  
191  
192 CCA ACA GTC CCA ACA TCT TGT GAA GCT AAA GAA GGA GAA TGT ATC GAT 144  
193 Pro Thr Val Pro Thr Ser Cys Glu Ala Lys Glu Gly Glu Cys Ile Asp  
194 35 40 45  
195  
196 ACC AGA TGC GCA ACA TGT AAA CGA GAC ATA CTA TCA GAC GGA CTG TGT 192  
197 Thr Arg Cys Ala Thr Cys Lys Arg Asp Ile Leu Ser Asp Gly Leu Cys  
198 50 55 60  
199  
200 GAA AAT AAA CCA GGG AAG ACA TGC TGT AGA ATG TGC CAG TAT GTA ATT 240  
201 Glu Asn Lys Pro Gly Lys Thr Cys Cys Arg Met Cys Gln Tyr Val Ile  
202 65 70 75 80  
203  
204 GAA TCC AGA GTA GAA GCT GCT GGA TAT TTT AGA ACG TTT TAC GCC AAA 288  
205 Glu Ser Arg Val Glu Ala Ala Gly Tyr Phe Arg Thr Phe Tyr Ala Lys

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/803,211

DATE: 04/10/2001  
TIME: 01:59:09

INPUT SET: S36593.raw

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207				
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210	100	105	110	
211				
212	AAG GGT GGC GAC TGG TCT GTA ACC CTC ACC ATG GAG AAT CTA GAT GGA			384
213	Lys Gly Gly Asp Trp Ser Val Thr Leu Thr Met Glu Asn Leu Asp Gly			
214	115	120	125	
215				
216	CAG AAG GGA GCT GTA CTG ACT AAG ACA ACA CTG GAG GTA GTA GGA GAC			432
217	Gln Lys Gly Ala Val Leu Thr Lys Thr Thr Leu Glu Val Val Gly Asp			
218	130	135	140	
219				
220	GTA ATA GAC ATT ACT CAA GCT ACT GCA GAT CCT ATC ACA GTT AAC GGA			480
221	Val Ile Asp Ile Thr Gln Ala Thr Ala Asp Pro Ile Thr Val Asn Gly			
222	145	150	155	160
223				
224	GGA GCT GAC CCA GTT ATC GCT AAC CCG TTC ACA ATT GGT GAG GTG ACC			528
225	Gly Ala Asp Pro Val Ile Ala Asn Pro Phe Thr Ile Gly Glu Val Thr			
226	165	170	175	
227				
228	ATT GCT GTT GTC GAA ATA CCC GGC TTC AAT ATT ACA GTC ATC GAA TTC			576
229	Ile Ala Val Val Glu Ile Pro Gly Phe Asn Ile Thr Val Ile Glu Phe			
230	180	185	190	
231				
232	TTT AAA CTA ATC GTG ATA GAT ATT CTG GGA GGA AGA TCT GTG AGA ATT			624
233	Phe Lys Leu Ile Val Ile Asp Ile Leu Gly Gly Arg Ser Val Arg Ile			
234	195	200	205	
235				
236	GCT CCA GAC ACA GCA AAC AAA GGA CTG ATA TCT GGT ATC TGT GGT AAT			672
237	Ala Pro Asp Thr Ala Asn Lys Gly Leu Ile Ser Gly Ile Cys Gly Asn			
238	210	215	220	
239				
240	CTG GAG ATG AAT GAC GCT GAT GAC TTT ACT ACA GAC GCA GAT CAG CTG			720
241	Leu Glu Met Asn Asp Ala Asp Asp Phe Thr Thr Asp Ala Asp Gln Leu			
242	225	230	235	240
243				
244	GCG ATC CAA CCC AAC ATA AAC AAA GAG TTC GAC GGC TGC CCA TTC TAC			768
245	Ala Ile Gln Pro Asn Ile Asn Lys Glu Phe Asp Gly Cys Pro Phe Tyr			
246	245	250	255	
247				
248	GGG AAT CCT TCT GAT ATC GAA TAC TGC AAA GGT CTC ATG GAG CCA TAC			816
249	Gly Asn Pro Ser Asp Ile Glu Tyr Cys Lys Gly Leu Met Glu Pro Tyr			
250	260	265	270	
251				
252	AGA GCT GTA TGT CGT AAC AAT ATC AAC TTC TAC TAT TAC ACT CTG TCC			864
253	Arg Ala Val Cys Arg Asn Asn Ile Asn Phe Tyr Tyr Tyr Thr Leu Ser			
254	275	280	285	
255				
256	TGC GCC TTC GCT TAC TGT ATG GGA GGA GAA GAA AGA GCT AAA CAC GTC			912
257	Cys Ala Phe Ala Tyr Cys Met Gly Gly Glu Glu Arg Ala Lys His Val			
258	290	295	300	

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/803,211**

DATE: 04/10/2001  
TIME: 01:59:09

*INPUT SET: S36593.raw*

Line

Error

Original Text

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/803,211DATE: 04/04/2001  
TIME: 02:58:55

INPUT SET: S36593.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

Does Not Comply  
Corrected Diskette Needed

1  
2  
3 (1) General Information  
4  
5 (i) APPLICANT: Bryan, Bruce  
6  
7 (ii) TITLE OF INVENTION: BIOLUMINESCENT ARTICLES OF MANUFACTURE  
8  
9 (iii) NUMBER OF SEQUENCES: 14  
10  
11 (iv) CORRESPONDENCE ADDRESS:  
12 (A) ADDRESSEE: Heller Ehrman White & McAuliffe  
13 (B) STREET: 4250 Executive Square, 7th Floor  
14 (C) CITY: La Jolla  
15 (D) STATE: CA  
16 (E) COUNTRY: USA  
17 (F) ZIP: 92037  
18  
19 (v) COMPUTER READABLE FORM:  
20 (A) MEDIUM TYPE: Diskette  
21 (B) COMPUTER: IBM Compatible  
22 (C) OPERATING SYSTEM: DOS  
23 (D) SOFTWARE: FastSEQ Version 1.5  
24  
25 (vi) CURRENT APPLICATION DATA:  
26 (A) APPLICATION NUMBER: ~~09/444,762~~  
27 (B) FILING DATE:  
28 (C) CLASSIFICATION:  
29  
30 (vii) PRIOR APPLICATION DATA:  
31 (A) APPLICATION NUMBER: 09/444,762  
32 (B) FILING DATE: 11-22-99  
33 (C) CLASSIFICATION:  
34  
35 (vii) PRIOR APPLICATION DATA:  
36 (A) APPLICATION NUMBER: 08/757,046  
37 (B) FILING DATE: 11-25-96  
38 (C) CLASSIFICATION:  
39  
40 (vii) PRIOR APPLICATION DATA:  
41 (A) APPLICATION NUMBER: 08/597,274  
42 (B) FILING DATE: 02-06-96  
43  
44 (viii) ATTORNEY/AGENT INFORMATION:  
45 (A) NAME: Seidman, Stephanie L  
46 (B) REGISTRATION NUMBER: 33,779



RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/803,211DATE: 04/04/2001  
TIME: 02:58:55

INPUT SET: S36593.raw

47 (C) REFERENCE/DOCKET NUMBER: 24727-105F

48

49 (ix) TELECOMMUNICATION INFORMATION:

50 (A) TELEPHONE: 619-450-8400

51 (B) TELEFAX: 619-450-8499

52 (C) TELEX:

53

54 (2) INFORMATION FOR SEQ ID NO:1:

55

56 (i) SEQUENCE CHARACTERISTICS:

57 (A) LENGTH: 1196 base pairs

58 (B) TYPE: nucleic acid

59 (C) STRANDEDNESS: single

60 (D) TOPOLOGY: linear

61

62 (ii) MOLECULE TYPE: cDNA

63

64 (vi) ORIGINAL SOURCE:

65

66 (ix) FEATURE:

67

68 (A) NAME/KEY: Coding Sequence

69 (B) LOCATION: 1...942

70 (D) OTHER INFORMATION: Renilla Reinformis Luciferase

71

72 (x) PUBLICATION INFORMATION:

73 (A) DOCUMENT NUMBER:

74 PATENT NO.: 5,418,155

75

76 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

77

78 AGC TTA AAG ATG ACT TCG AAA GTT TAT GAT CCA GAA CAA AGG AAA CGG 48

79 Ser Leu Lys Met Thr Ser Lys Val Tyr Asp Pro Glu Gln Arg Lys Arg

80 1 5 10 15

81

82 ATG ATA ACT GGT CCG CAG TGG TGG GCC AGA TGT AAA CAA ATG AAT GTT 96

83 Met Ile Thr Gly Pro Gln Trp Trp Ala Arg Cys Lys Gln Met Asn Val

84 20 25 30

85

86 CTT GAT TCA TTT ATT AAT TAT TAT GAT TCA GAA AAA CAT GCA GAA AAT 144

87 Leu Asp Ser Phe Ile Asn Tyr Tyr Asp Ser Glu Lys His Ala Glu Asn

88 35 40 45

89

90 GCT GTT ATT TTT TTA CAT GGT AAC GCG GCC TCT TCT TAT TTA TGG CGA 192

91 Ala Val Ile Phe Leu His Gly Asn Ala Ala Ser Ser Tyr Leu Trp Arg

92 50 55 60

93

94 CAT GTT GTG CCA CAT ATT GAG CCA GTA GCG CGG TGT ATT ATA CCA GAT 240

95 His Val Val Pro His Ile Glu Pro Val Ala Arg Cys Ile Ile Pro Asp

96 65 70 75 80

97

98 CTT ATT GGT ATG GGC AAA TCA GGC AAA TCT GGT AAT GGT TCT TAT AGG 288

99 Leu Ile Gly Met Gly Lys Ser Gly Lys Ser Gly Asn Gly Ser Tyr Arg

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/803,211

DATE: 04/04/2001  
TIME: 02:58:55

INPUT SET: S36593.raw

	85	90	95	
100				
101				
102	TTA CTT GAT CAT TAC AAA TAT CTT ACT GCA TGG TTG AAC TTC TTA ATT			336
103	Leu Leu Asp His Tyr Lys Tyr Leu Thr Ala Trp Leu Asn Phe Leu Ile			
104	100	105	110	
105				
106	TAC CAA AGA AGA TCA TTT TTT GTC GGC CAT GAT TGG GGT GCT TGT TTG			384
107	Tyr Gln Arg Arg Ser Phe Phe Val Gly His Asp Trp Gly Ala Cys Leu			
108	115	120	125	
109				
110	GCA TTT CAT TAT AGC TAT GAG CAT CAA GAT AAG ATC AAA GCA ATA GTT			432
111	Ala Phe His Tyr Ser Tyr Glu His Gln Asp Lys Ile Lys Ala Ile Val			
112	130	135	140	
113				
114	CAC GCT GAA AGT GTA GTA GAT GTG ATT GAA TCA TGG GAT GAA TGG CCT			480
115	His Ala Glu Ser Val Val Asp Val Ile Glu Ser Trp Asp Glu Trp Pro			
116	145	150	155	160
117				
118	GAT ATT GAA GAA GAT ATT GCG TTG ATC AAA TCT GAA GAA GGA GAA AAA			528
119	Asp Ile Glu Glu Asp Ile Ala Leu Ile Lys Ser Glu Glu Gly Glu Lys			
120	165	170	175	
121				
122	ATG GTT TTG GAG AAT AAC TTC TTC GTG GAA ACC ATG TTG CCA TCA AAA			576
123	Met Val Leu Glu Asn Asn Phe Phe Val Glu Thr Met Leu Pro Ser Lys			
124	180	185	190	
125				
126	ATC ATG AGA AAG TTA GAA CCA GAA GAA TTT GCA GCA TAT CTT GAA CCA			624
127	Ile Met Arg Lys Leu Glu Pro Glu Glu Phe Ala Ala Tyr Leu Glu Pro			
128	195	200	205	
129				
130	TTC AAA GAG AAA GGT GAA GTT CGT CGT CCA ACA TTA TCA TGG CCT CGT			672
131	Phe Lys Glu Lys Gly Glu Val Arg Arg Pro Thr Leu Ser Trp Pro Arg			
132	210	215	220	
133				
134	GAA ATC CCG TTA GTA AAA GGT GGT AAA CCT GAC GTT GTA CAA ATT GTT			720
135	Glu Ile Pro Leu Val Lys Gly Gly Lys Pro Asp Val Val Gln Ile Val			
136	225	230	235	240
137				
138	AGG AAT TAT AAT GCT TAT CTA CGT GCA AGT GAT GAT TTA CCA AAA ATG			768
139	Arg Asn Tyr Asn Ala Tyr Leu Arg Ala Ser Asp Asp Leu Pro Lys Met			
140	245	250	255	
141				
142	TTT ATT GAA TCG GAT CCA GGA TTC TTT TCC AAT GCT ATT GTT GAA GGC			816
143	Phe Ile Glu Ser Asp Pro Gly Phe Phe Ser Asn Ala Ile Val Glu Gly			
144	260	265	270	
145				
146	GCC AAG AAG TTT CCT AAT ACT GAA TTT GTC AAA GTA AAA GGT CTT CAT			864
147	Ala Lys Lys Phe Pro Asn Thr Glu Phe Val Lys Val Lys Gly Leu His			
148	275	280	285	
149				
150	TTT TCG CAA GAA GAT GCA CCT GAT GAA ATG GGA AAA TAT ATC AAA TCG			912
151	Phe Ser Gln Glu Asp Ala Pro Asp Glu Met Gly Lys Tyr Ile Lys Ser			
152	290	295	300	

# RAW SEQUENCE LISTING PATENT APPLICATION *US/09/803,211*

DATE: 04/04/2001  
TIME: 02:58:56

*INPUT SET: S36593.raw*

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153
154   TTC GTT GAG CGA GTT CTC AAA AAT GAA CAA TAA TTACTTTGGT TTTTATTTA   965
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156   305                               310
157
158   CATTTTCCC GGGTTTAATA ATATAAATGT CATTTTCAAC AATTTTATTT TAACTGAATA   1025
159   TTTCACAGGG AACATTCATA TATGTTGATT AATTTAGCTC GAACTTTACT CTGTCATATC   1085
160   ATTTTGAAT ATTACCTCTT TCAATGAAAC TTTATAAACA GTGGTTCAAT TAATTAATAT   1145
161   ATATTATAAT TACATTTGTT ATGTAATAAA CTCGGTTTTT TTATAAAAAA A           1196
162
163       (2) INFORMATION FOR SEQ ID NO:2:
164
165       (i) SEQUENCE CHARACTERISTICS:
166           (A) LENGTH: 1822 base pairs
167           (B) TYPE: nucleic acid
168           (C) STRANDEDNESS: single
169           (D) TOPOLOGY: linear
170
171       (ii) MOLECULE TYPE: cDNA
172
173       (ix) FEATURE:
174
175           (A) NAME/KEY: Coding Sequence
176           (B) LOCATION: 1...1665
177           (D) OTHER INFORMATION: Cypridina hilgendorffii luciferase
178
179       (x) PUBLICATION INFORMATION:
180
181           PATENT NO.: EP 0 387 355 TORAY
182
183       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
184
185   ATG AAG CTA ATA ATT CTG TCT ATT ATA TTG GCC TAC TGT GTC ACA GTC   48
186   Met Lys Leu Ile Ile Leu Ser Ile Ile Leu Ala Tyr Cys Val Thr Val
187   1                               5                               10                               15
188
189   AAC TGC CAG GAT GCA TGT CCT GTA GAA GCT GAA GCA CCG TCA AGT ACA   96
190   Asn Cys Gln Asp Ala Cys Pro Val Glu Ala Glu Ala Pro Ser Ser Thr
191   20                               25                               30
192
193   CCA ACA GTC CCA ACA TCT TGT GAA GCT AAA GAA GGA GAA TGT ATC GAT   144
194   Pro Thr Val Pro Thr Ser Cys Glu Ala Lys Glu Gly Glu Cys Ile Asp
195   35                               40                               45
196
197   ACC AGA TGC GCA ACA TGT AAA CGA GAC ATA CTA TCA GAC GGA CTG TGT   192
198   Thr Arg Cys Ala Thr Cys Lys Arg Asp Ile Leu Ser Asp Gly Leu Cys
199   50                               55                               60
200
201   GAA AAT AAA CCA GGG AAG ACA TGC TGT AGA ATG TGC CAG TAT GTA ATT   240
202   Glu Asn Lys Pro Gly Lys Thr Cys Cys Arg Met Cys Gln Tyr Val Ile
203   65                               70                               75                               80
204
205   GAA TCC AGA GTA GAA GCT GCT GGA TAT TTT AGA ACG TTT TAC GCC AAA   288

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# RAW SEQUENCE LISTING PATENT APPLICATION US/09/803,211

DATE: 04/04/2001  
TIME: 02:58:56

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206	Glu Ser Arg Val Glu Ala Ala Gly Tyr Phe Arg Thr Phe Tyr Ala Lys	
207	85 90 95	
208		
209	AGA TTT AAT TTT CAG GAA CCT GGT AAA TAT GTG CTG GCT CGA GGA ACC	336
210	Arg Phe Asn Phe Gln Glu Pro Gly Lys Tyr Val Leu Ala Arg Gly Thr	
211	100 105 110	
212		
213	AAG GGT GGC GAC TGG TCT GTA ACC CTC ACC ATG GAG AAT CTA GAT GGA	384
214	Lys Gly Gly Asp Trp Ser Val Thr Leu Thr Met Glu Asn Leu Asp Gly	
215	115 120 125	
216		
217	CAG AAG GGA GCT GTA CTG ACT AAG ACA ACA CTG GAG GTA GTA GGA GAC	432
218	Gln Lys Gly Ala Val Leu Thr Lys Thr Thr Leu Glu Val Val Gly Asp	
219	130 135 140	
220		
221	GTA ATA GAC ATT ACT CAA GCT ACT GCA GAT CCT ATC ACA GTT AAC GGA	480
222	Val Ile Asp Ile Thr Gln Ala Thr Ala Asp Pro Ile Thr Val Asn Gly	
223	145 150 155 160	
224		
225	GGA GCT GAC CCA GTT ATC GCT AAC CCG TTC ACA ATT GGT GAG GTG ACC	528
226	Gly Ala Asp Pro Val Ile Ala Asn Pro Phe Thr Ile Gly Glu Val Thr	
227	165 170 175	
228		
229	ATT GCT GTT GTC GAA ATA CCC GGC TTC AAT ATT ACA GTC ATC GAA TTC	576
230	Ile Ala Val Val Glu Ile Pro Gly Phe Asn Ile Thr Val Ile Glu Phe	
231	180 185 190	
232		
233	TTT AAA CTA ATC GTG ATA GAT ATT CTG GGA GGA AGA TCT GTG AGA ATT	624
234	Phe Lys Leu Ile Val Ile Asp Ile Leu Gly Gly Arg Ser Val Arg Ile	
235	195 200 205	
236		
237	GCT CCA GAC ACA GCA AAC AAA GGA CTG ATA TCT GGT ATC TGT GGT AAT	672
238	Ala Pro Asp Thr Ala Asn Lys Gly Leu Ile Ser Gly Ile Cys Gly Asn	
239	210 215 220	
240		
241	CTG GAG ATG AAT GAC GCT GAT GAC TTT ACT ACA GAC GCA GAT CAG CTG	720
242	Leu Glu Met Asn Asp Ala Asp Asp Phe Thr Thr Asp Ala Asp Gln Leu	
243	225 230 235 240	
244		
245	GCG ATC CAA CCC AAC ATA AAC AAA GAG TTC GAC GGC TGC CCA TTC TAC	768
246	Ala Ile Gln Pro Asn Ile Asn Lys Glu Phe Asp Gly Cys Pro Phe Tyr	
247	245 250 255	
248		
249	GGG AAT CCT TCT GAT ATC GAA TAC TGC AAA GGT CTC ATG GAG CCA TAC	816
250	Gly Asn Pro Ser Asp Ile Glu Tyr Cys Lys Gly Leu Met Glu Pro Tyr	
251	260 265 270	
252		
253	AGA GCT GTA TGT CGT AAC AAT ATC AAC TTC TAC TAT TAC ACT CTG TCC	864
254	Arg Ala Val Cys Arg Asn Asn Ile Asn Phe Tyr Tyr Tyr Thr Leu Ser	
255	275 280 285	
256		
257	TGC GCC TTC GCT TAC TGT ATG GGA GGA GAA GAA AGA GCT AAA CAC GTC	912
258	Cys Ala Phe Ala Tyr Cys Met Gly Gly Glu Glu Arg Ala Lys His Val	

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/803,211**

DATE: 04/04/2001  
TIME: 02:58:57

***INPUT SET: S36593.raw***

Line	Error	Original Text
26	Wrong application Serial Number	(A) APPLICATION NUMBER: 09/444,762